

ABSTRACT

A toilet and urinal leak detection and warning system and method which detects water flow for a period of time outside a predetermined window. The invention includes a water flow detector, a timer and an audible alarm sound generator.

A flow of water past the water flow detector triggers the timer and in the event that the water is still running after a predetermined amount of time, a control signal is sent to the audible alarm generator and alarm will sound. The invention further includes reset logic to allow for either an automatic, or manual, reset of the alarm that will terminate the alarm state and return the device to a detection mode. The invention also may be configured to measure and react to relatively short flows of water signifying a slow loss of water not related to normal flushing activity.